

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the Application of:

R.C. Meier

Serial No.: 10/762,746

Filed: January 22, 2004

Examiner: B.A. Zimmerman

Group Art Unit: 2635

For: REDUNDANT RADIO FREQUENCY  
NETWORK HAVING A ROAMING  
TERMINAL COMMUNICATION  
PROTOCOL

Confirmation No.: 5595

**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence  
is being transmitted via EFS-Web to the  
United States Patent and Trademark  
Office on December 21, 2006.

/Shawn L. Peterson/

Shawn L. Peterson  
Reg. No. 44,286

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Attached with this electronic submission are the following:

- A completed PTO/SB/08A, which has four (4) pages which is a resubmission of the PTO/SB/08A submitted on July 14, 2006 and the supplemental PTO/SB/08A submitted on September 22, 2006. Applicant, however, has not resubmitted U.S. Patents or other references previously provided to or by the PTO in this application.

**FEE DETERMINATION AND PAYMENT**

No fee is believed to be due because:

- The applicant(s) believe(s) that this statement and attachments are being filed before the first Office action on the merits (since the applicant's most recent filing of a request for continued examination) has been mailed by the PTO. The

basis of this belief is that since the filing of the most recent request for continued examination, no Office action on the merits appears to have been received by the undersigned to date.

The Commissioner is hereby authorized to charge any fees that are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

#### **REQUEST FOR CONSIDERATION**

This paper and attachments are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above.

The owner of record of the present application, Broadcom Corporation, is currently involved in a patent infringement action with Qualcomm, Inc., Civil Action No. 05-1392, pending in the Southern District of California.

The references submitted have been either cited, produced or relied upon by Qualcomm thus far during the above-mentioned lawsuit and/or investigation. This electronic submission is in no way intended as an admission that the submitted references constitute prior art under any subsection of 35 U.S.C. §102 or §103. Applicant expressly retains the right to argue that any of the cited references are not indeed prior art or to take any actions necessary to remove any of the cited references from the available prior art.

The Examiner is requested to initial both copies of the attached PTO/SB/08A and return one copy to the applicants to indicate consideration of the attached references.

Respectfully submitted,

Date: December 21, 2006

/Shawn L. Peterson/

Shawn L. Peterson  
Reg. No. 44,286  
McAndrews, Held & Malloy, Ltd.  
500 West Madison Street, Suite 3400  
Chicago, Illinois 60661  
(312) 775-8000

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 4

**Complete if Known**

Application Number	10/762,746
Filing Date	January 22, 2004
First Named Inventor	R.C. Meier
Group Art Unit	2635
Examiner Name	B.A. Zimmerman
Attorney Docket Number	14420US02

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,707,829	11-17-1987	Pendse	
	A2	4,910,794	03-20-1990	Mahany	
	A3	4,945,532	07-31-1990	Hald	
	A4	5,070,536	12-03-1991	Mahany	
	A5	5,175,537	12-29-1992	Jaffe	
	A6	5,214,647	05-25-1993	Komatsu	
	A7	5,295,154	03-15-1994	Meier	
	A8	5,359,320	10-25-1994	Jaffe	
	A9	5,485,147	01-16-1996	Jeffe	
	A10	5,625,825	04-29-1997	Rostoker	
	A11	4,063,220	12-13-1977	Metcalfe	
	A12	4,251,865	02-17-1981	Morris	
	A13	4,332,027	05-25-1982	Malcolm	
	A14	4,661,902	04-28-1987	Hochsprung	
	A15	4,689,786	08-25-1987	Sidhu	
	A16	4,987,571	01-22-1991	Haymond	
	A17	5,164,942	11-17-1992	Kamerman	
	A18	5,673,031	09-30-1997	Hill	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1	JP 1117533	05-10-1989	Inoue		
	B2	JP 1119146	05-11-1989	Murono		
	B3	JP 1143536	06-06-1989	Deguchi		
	B4	JP 1152837	05-15-1989	Courtois		
	B5	JP 1305637	12-08-1989	Tanaka		
	B6	JP 2051922	02-21-1990	Iijima		
	B7	JP 3268534	11-29-1991	Yamaguchi		
	B8	JP 4123628	04-23-1992	Shikoku		
	B9	JP 4199934	07-21-1992	Hiroyuki		
	B10	JP 4259140	09-14-1992	Kobayashi		

**EXAMINER  
SIGNATURE****DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1800-786-9199) and select option 2.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/762,746	
Sheet		2	Of	4	Filing Date	January 22, 2004
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					Group Art Unit	2635
					Examiner Name	B.A. Zimmerman
					Attorney Docket Number	14420US02

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (If known)				
	B11	JP 5253132	10-05-1993	Toshiyuki		
	B12	JP 58159036	09-21-1983	Hasegawa		
	B13	JP 61100041	05-19-1986	Yamao		
	B14	JP 61251251	11-08-1986	Hirasawa		
	B15	WO 96-10304	04-04-1996	Sherer		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	ANDREWS, et al., "Inside Apple Talk, 2 <sup>nd</sup> Edition", Addison-Wesley Publishing Company
	C2	FAKHOURI et al., "Coding And Multiple Access Techniques For Data Transmission In Land-Mobile Satellite Networks", IEEE Pacific Rim Conference On Communications, Computers And Signal Processing, pp. 410-413, 05/09-10/1991
	C3	GLASS et al., "Broad-Band Networks For LAN And Radio Applications", IEEE 38 <sup>th</sup> Vehicular Technology Conference, pp. 44-51, 06/15-17/1988
	C4	HASHEMI et al., "An Efficient Reservation System For Local Area Networks Based On CSMA/CD", IEEE Pacific Rim Conference On Communications, Computers And Signal Processing, pp. 1-4, 06/01-02/1989
	C5	HU et al., "Collision Resolution Algorithms For CDMA Systems", IEEE Journal On Selected Areas In Communications, Vol. 8, No. 4, pp. 542-554, 05/1990
	C6	KARN, "MACA - A New Channel Access Method For Packet Radio", ARRL/CRRL Amateur Radio 9 <sup>th</sup> Computer Networking Conference, pp. 134-140, 09/1990
	C7	KLEINROCK et al., "Packet Switching In Radio Channels: New Conflict-Free Multiple Access Schemes", IEEE Transactions On Communications, Vol. COM-28, No. 7, pp. 1015-1029, 07/1980
	C8	KLEINROCK, "On Queueing Problems In Random-Access Communications", IEEE Transactions On Information Theory, Vol. IT-31, No. 2, pp. 166-175, 03/1985
	C9	KLEINROCK, "On Resource Sharing In A Distributed Communication Network", IEEE Communications Magazine, pp. 27-34, 01/1979
	C10	LEINER et al., "Issues In Packet Radio Network Design", IEEE Proceedings, Vol. 75, No. 1, pp. 6-20, 01/1987
	C11	ONUNGA et al., "Personal Computer Communications On Intrabuilding Power Line LAN's Using CSMA With Priority Acknowledgements", IEEE Journal On Selected Areas In Communications, Vol. 7, No. 2, pp. 180-191, 02/1989

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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		Examiner Name	B.A. Zimmerman
		Attorney Docket Number	14420US02
Sheet	3	Of	4

(use as many sheets as necessary)

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C12	PEHA et al., "Implementation Strategies For Scheduling Algorithms In Integrated-Services Packet-Switched Networks", Global Telecommunications Conference, 1991, GLOBECOM '91, pp.1733-1740, 12/02-05/1991
	C13	SCHOLL et al., "On A Mixed Mode Multiple Access Scheme For Packet-Switched Radio Channels", IEEE Transactions On Communications, Vol. COM-27, No. 6, pp. 906-911, 06/1979
	C14	TAKAGI et al., "A Tutorial On The Analysis Of Polling Systems", Computer Science Dept., Univ. Of Calif., Los Angeles, 06/01/1984
	C15	TAN et al., "A New Free-Access Collision Resolution Algorithm Based Connection Request procedure For Land Mobile Satellite Systems", INFOCOM '89, Eighth Annual Joint Conference Of The IEEE Computer And Communications Societies Proceedings, pp. 1057-1062, 1989
	C16	INTENTIONALLY LEFT BLANK
	C17	INTENTIONALLY LEFT BLANK
	C18	TOBAGI et al., "Packet Switching In Radio Channels: Part IV Stability Considerations And Dynamic Control In Carrier Sense Multiple Access", IEEE Transactions On Communications, Vol. COM-25, No. 10, pp. 1130-1119, 10/1977
	C19	TOBAGI et al., "Packet Radio And Satellite Networks", IEEE Communications Magazine, Vol. 22, No. 11, pp. 24-40, 11/1984
	C20	TOBAGI et al., "Packet Switching In Radio Channels : Part III-Polling and (Dynamic) Split-Channel Reservation Multiple Access", IEEE Transactions On Communications, Vol. COM-24, No. 8, pp. 832-845, 08/1976
	C21	TOBAGI et al., "Packet Switching In Radio Channels: Part I-Carrier Sense Multiple-Access And Their Throughput-Delay Characteristics", IEEE Transactions On Communications, Vol. CCOM-23, No. 12, pp. 1400-1416, 12/1975.
	C22	TOBAGI et al., "Packet Switching In Radio Channels: Part II-The Hidden Terminal Problem In Carrier Sense Multiple-Access And The Busy-Tone Solution", IEEE Transactions On Communications, Vol. CCOM-23, No. 12, pp. 1417-1433, 12/1975.
	C23	TOBAGI, "Multiaccess Protocols In Packet Communication System", IEEE Transactions On Communications, Vol. COM-28, No. 4, pp. 468-488, 04/1980
	C24	YUE, "Performance Analysis Of Cellular Mobile Radio Systems Using Slotted ALOHA Protocol With Capture", IEEE Pacific Rim Conference On Communications, Computers And Signal Processing, pp. 550-553, 05/09-10/1991
	C16	TANENBAUM, Computer Networks, Prentice-Hall, Inc., 1981
	C17	TANENBAUM, Computer Networks, 2 <sup>nd</sup> Edition, Prentice-Hall, Inc., 1988
	C25	Plaintiff and Counterdefendant Qualcomm Incorporated's Preliminary Invalidity Contentions For U.S. Patent Nos. 5,500,872, 5,627,412, 5,946,344, 6,075,807, 6,320,896, And 6,714,559

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Sheet	4	Of	4
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First Named Inventor	R.C. Meier
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Attorney Docket Number	14420US02

C26	JOHNSON, "Thoughts on an Adaptive Link Level Protocol." Tucson Amateur Packet Radio Colorado Springs, 1989
C27	SIDHU et al., "Inside Appletalk", Second Edition, Addison-Wesley Publishing Company, Inc., 1990

Rev. Aug. 02